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## EARNINGS AND HOURS OF EMPLOYEES, AUSTRALIA NOVEMBER 1982

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## EXPLANATORY NOTES

### Introduction

This publication contains results of a sample survey which was conducted in respect of a pay-period ending on or before 19 November 1982. It is the second of a series of annual publications based on the new survey of earnings and hours. Results in this publication are not comparable with those published before 1981 primarily due to the significant difference in the coverage of the sample framework. (See paragraphs 6, 10 and 11).

2. In September 1981 a new quarterly survey of employers based on the ABS Central Integrated Register was introduced to obtain employment and earnings information to produce the new average weekly earnings series. For the December quarter of each year a more detailed dissection of earnings and additional information on hours paid for is collected in the survey, and replaces the annual October surveys of earnings and hours based mainly on lists of employers subject to payroll tax.

3. Background information on the ABS decision to cease using payroll tax records for statistical purposes is provided in *Information Paper : Review of ABS Employment Statistics (6239.0)* and *Information Paper : Average Weekly Earnings — New Series to replace former payroll tax based series (6336.0)*.

### Scope of the survey

4. All wage and salary earners who received pay in respect of the reference period were represented in the survey, except:

- (a) members of the Australian permanent defence forces
- (b) employees of establishments primarily engaged in agriculture
- (c) employees in private households employing staff
- (d) employees on workers' compensation
- (e) employees based outside Australia
- (f) employees paid solely from commission without a retainer
- (g) self employed persons such as working proprietors of unincorporated businesses
- (h) subcontractors
- (i) owner/drivers

5. Hospitals and religious and benevolent institutions were represented but any handicapped workers, who were engaged mainly for their own welfare and where records of payment were not readily available, were excluded.

### Survey design

6. A sample of employers listed on the ABS Central Integrated Register was selected to ensure adequate State and industry representation. Industry was determined at the establishment level and all establishments of an enterprise within a State classified to a common industry were treated as a single composite unit. These industry units were then formed into categories or 'strata' according to their employment as recorded on the ABS Central Integrated Register, and a random sample was then selected within each category. Some 3,500 employers were included in the sample.

7. As a result of the structuring of the sample by industry of establishment, some enterprises within a State may comprise more than one industry unit for survey purposes. In cases of this kind, separate returns have been sought for each of the industry units selected in the survey.

### Reliability of the estimates

8. Since the estimates are based on information obtained from a sample of employers they are subject to sampling variability; that is, they may differ by chance from the figures that would have been produced if all employers had been included in the survey. The extent of the detail published has been determined after considering estimated measures of sampling variability. For information on the reliability of estimates see the Technical note on page 13.

### Industry classification

9. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1978 Edition, Volume 1—The Classification (1201.0)*. The table on page 2 shows the ASIC subdivisions used in the survey and abbreviated descriptions used in some tables.

### Comparability of results

10. The tables shown in this publication are similar to those published from the survey of earnings and hours conducted in October each year from 1972 to 1980. Significant differences, particularly in the coverage of sample framework, exist between the old and the new survey.

11. This survey is based on a sample of employers listed on the ABS Central Integrated Register which provides for much greater coverage of employers, particularly of small businesses, than the payroll tax lists of employers used for previous October surveys. Because of this, caution should be exercised when making comparisons between the results of this survey and those published before 1981.

12. The reference period for this and subsequent surveys has been adjusted to the pay period ending on or before 19 November, approximately the mid-point of the December quarter. For 1981 the Survey date was 23 October, hence movements between 1981 and 1982 reflect a period of thirteen months.

### Definitions

13. *Reference period* refers to the last pay-period ending on or before 19 November 1982. If the operations of the establishment(s) covered by the return were seriously curtailed by an industrial dispute, breakdown, fire etc., during the reference period, particulars for the previous normal pay-period were obtained.

<i>ASIC code</i>			
<i>Division</i>	<i>Sub-division</i>	<i>Title</i>	<i>Abbreviated description used</i>
B		Mining	
C		Manufacturing—	
	21-22	Food, beverages and tobacco	
	23,24	Textiles; clothing and footwear	
	26	Paper, paper products, printing and publishing	Paper, printing, etc.
	27	Chemical, petroleum and coal products	
	29	Basic metal products	
	31,33	Fabricated metal products; other machinery and equipment	Fabricated metal products; other machinery, etc.
	32	Transport equipment	
	25,28,34	Other manufacturing(a)	
D		Electricity, gas and water	
E		Construction	
F	47	Wholesale trade	
	48	Retail trade	
G,H		Transport and storage; communication	
I		Finance, property and business services	Finance, business services
J,K		Public administration and defence(b); community services	Public administration, community services, etc.
L		Other industries(c) (entertainment, recreation, restaurants, hotels and personal services)	
		<b>Total</b>	

(a) Includes wood, wood products and furniture (subdivision 25); glass, clay and other non-metallic mineral products (subdivision 28); leather, rubber and plastic products and manufacturing not elsewhere classified (subdivision 34). (b) Excludes permanent defence forces. (c) Excludes private households employing staff (subdivision 94).

NOTE: Division A, (Agriculture, Forestry, Fishing and Hunting) is excluded from the survey.

14. *Full-time employees* are those who work the agreed or award hours for a full-time employee in their occupation and who received pay for any part of the reference period; if agreed or award hours do not apply, employees are regarded as full-time if they ordinarily work 30 hours or more a week. *Full-time* employees temporarily on short-time, or who began or ceased work during the reference period, are included. Some employees, who were paid for a weekly attendance of less than 30 hours (e.g. aircrews, teachers, university lecturers), are classified as full-time if they worked the normal scheduled hours for a full-time week.

15. *Adults* are employees 21 years of age or over and those employees who are under 21 years of age but are paid at the full adult rate for their occupation. *Junior employees* are all other employees under 21 years of age.

16. *Non-managerial employees* include minor supervisory employees, leading hands, clerical and office staff as well as ordinary wages employees. They exclude *managerial, executive, professional and higher supervisory staff*, generally defined as those employees who are ineligible to receive payment for overtime, or although subject to payment for overtime, are in charge of a significant number of employees in a separate establishment.

17. *Weekly total earnings* refers to earnings of employees in the reference period, before taxation and any other deductions, e.g. superannuation, board and lodging,

have been made. Earnings comprise overtime earnings, ordinary time earnings, shift allowances, penalty rates, commission and similar payments, and that part of paid annual leave, paid sick leave, long service leave and paid holidays taken during the reference period. Retrospective pay or pay in advance, annual leave loadings and other bonuses not related to the reference period are excluded.

18. *Weekly overtime earnings* refers to that part of *weekly total earnings* for hours paid for in excess of award, standard or agreed hours of work.

19. *Weekly ordinary time earnings* refers to that part of *weekly total earnings* attributable to award, standard or agreed hours of work. Included in relation to these hours are shift allowances, penalty rates, commissions, bonuses and incentive payments, and one week's proportion of payments for annual and other leave taken during the reference period.

20. *Weekly hours paid for* refers to the hours for which payment was made. It comprises overtime hours and ordinary time hours. For employees paid other than weekly, hours were converted to a weekly basis. For employees who began or ceased work, or were absent without pay for any reason during the reference period only the hours actually paid for were included. Where agreed hours of work were less than award hours, hours were based on agreed hours. Hours of work were not reported for managerial, etc. staff.



21. *Overtime hours* refers to hours in excess of award, standard or agreed hours of work.

22. *Ordinary time hours* refers to award, standard or agreed hours of work. It includes stand-by or reporting time which are part of standard hours of work, and that part of paid annual leave, paid sick leave and long service leave taken during the reference period.

#### **Related publications**

23. Users may also wish to refer to the following publications which are available on request:

*Average Weekly Earnings, Australia (Preliminary)* (6301.0) and the final publication *Average Weekly Earnings, States and Australia* (6302.0)—issued quarterly.

*Earnings and Hours of Employees, Distribution and Composition, Australia, May 1981 (Preliminary)* (6305.0), and the final publication (6306.0)—sample survey conducted annually from 1974 to 1981 inclusive.

*Weekly Earnings of Employees (Distribution), Australia, August 1982 (Preliminary)* (6309.0) and final publication (6310.0), containing results of household surveys conducted annually in August.

#### ***Income Distribution, Australia, 1978-79:***

*Individuals (Preliminary)* (6501.0) and final (6502.0);

*Income Units (Preliminary)* (6522.0); and final (6523.0)

*Families (Preliminary)* (6506.0)

*Supplementary Tables* (6504.0)

*Award Rates of Pay Indexes, Australia* (6312.0)—issued monthly, new series replacing the *Wage Rates Indexes*.

24. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

#### **Symbols and other usages**

\* subject to sampling variability too high for most practical uses. See the Technical note on page 13.

NOTE: The estimates of average weekly earnings are rounded to the nearest 10 cents.

**R. J. CAMERON**

**Australian Statistician**

IN CONFIDENCE

**SURVEY OF EARNINGS (PART A—WEEKLY EARNINGS)**  
**WEEK ENDING 19 NOVEMBER 1982**

**NUMBER OF EMPLOYEES**

MALES

FEMALES

FULL-TIME ADULTS—MANAGERIAL .....

FULL-TIME ADULTS—NON-MANAGERIAL .....

FULL-TIME JUNIORS .....

PART-TIME ADULTS .....

PART-TIME JUNIORS .....

**TOTAL EMPLOYEES** .....

<b>MA</b>	
<b>MB</b>	
<b>MC</b>	
<b>MD</b>	
<b>ME</b>	
<b>MF</b>	

<b>FA</b>	
<b>FB</b>	
<b>FC</b>	
<b>FD</b>	
<b>FE</b>	
<b>FF</b>	

**WEEKLY OVERTIME EARNINGS**  
 (To nearest dollar)

FULL-TIME ADULTS—NON-MANAGERIAL .....

<b>MG</b>	\$	
-----------	----	--

<b>FG</b>	\$	
-----------	----	--

**TOTAL GROSS WEEKLY EARNINGS (Including Weekly Overtime Earnings)**  
 (To nearest dollar)

FULL-TIME ADULTS—MANAGERIAL .....

FULL-TIME ADULTS—NON-MANAGERIAL .....

FULL-TIME JUNIORS .....

PART-TIME ADULTS .....

PART-TIME JUNIORS .....

**TOTAL EMPLOYEES** .....

<b>MH</b>	\$	
<b>MJ</b>	\$	
<b>MK</b>	\$	
<b>ML</b>	\$	
<b>MM</b>	\$	
<b>MN</b>	\$	

<b>FH</b>	\$	
<b>FJ</b>	\$	
<b>FK</b>	\$	
<b>FL</b>	\$	
<b>FM</b>	\$	
<b>FN</b>	\$	

**WEEKLY OVERTIME HOURS PAID FOR**  
 (To nearest hour)

FULL-TIME ADULTS—NON-MANAGERIAL .....

<b>MP</b>	
-----------	--

<b>FP</b>	
-----------	--

**TOTAL WEEKLY HOURS PAID FOR (Including Weekly Overtime Hours)**  
 (To nearest hour)

FULL-TIME ADULTS—NON-MANAGERIAL .....

FULL-TIME JUNIORS .....

PART-TIME ADULTS .....

PART-TIME JUNIORS .....

<b>MR</b>	
<b>MT</b>	
<b>MU</b>	
<b>MV</b>	

<b>FR</b>	
<b>FT</b>	
<b>FU</b>	
<b>FV</b>	

Please comment on any unusual features affecting this return (e.g. unusually high or low earnings or employment).

Name of person to be contacted if any queries arise regarding the return:

Mr ..... Phone number ...../..... Date ..... Signature .....

Mrs .....  
 Miss ..... BLOCK LETTERS STD Code Number  
 Ms .....

## SUMMARY OF FINDINGS

In November 1982, the average weekly earnings of male and female employees were \$341.50 and \$223.60 respectively, compared with \$299.40 for males and \$197.30 for females in October 1981.

Adult employees who worked full-time reported average weekly earnings of \$375.70 for males and \$287.20 for females, representing increases of 14.7 per cent and 14.7 per cent respectively since October 1981.

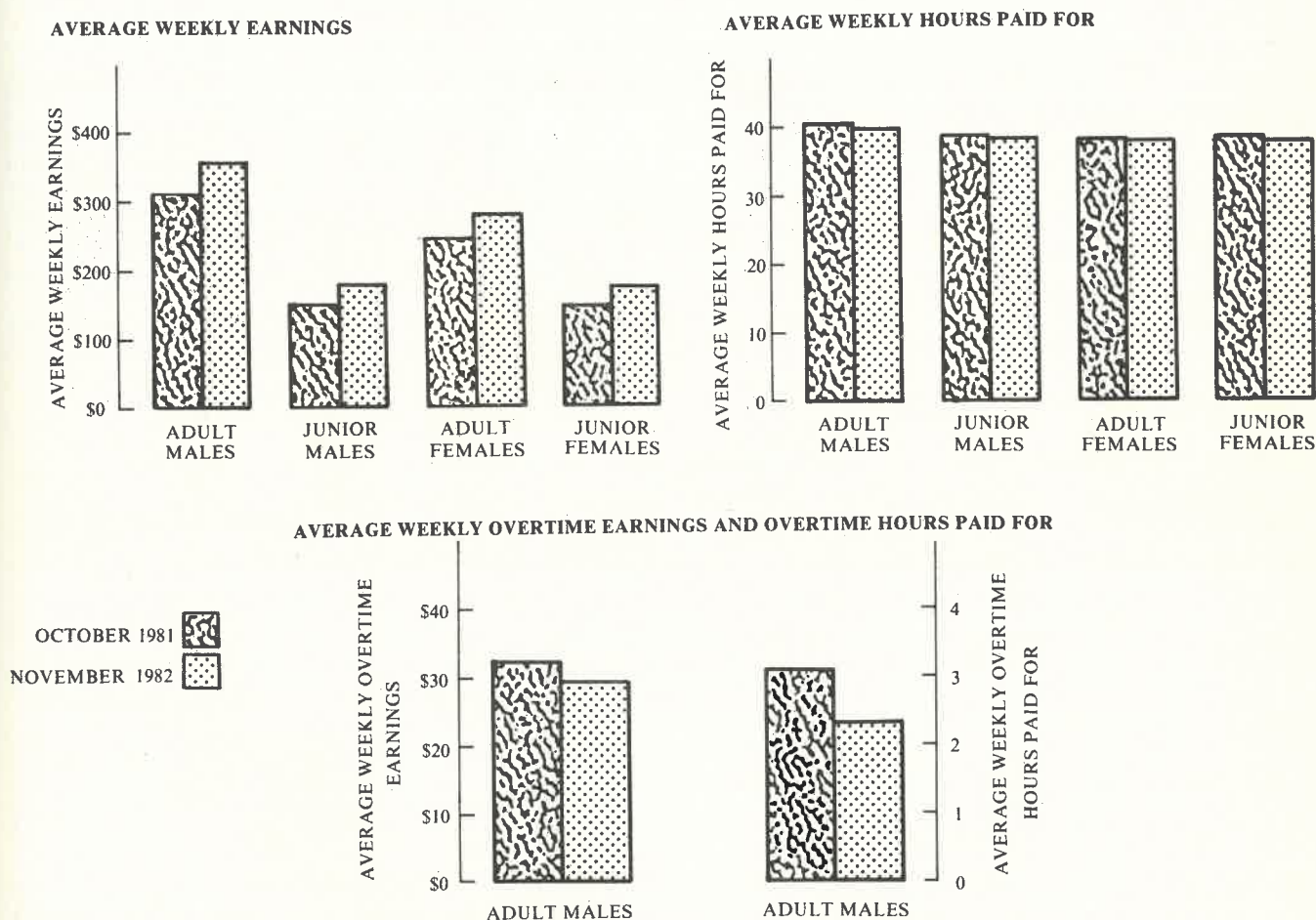
### Managerial employees

Average weekly earnings of full-time managerial, executive and higher professional staff were \$471.20 for males and \$345.60 for females. In October 1981, corresponding earnings were \$415.80 and \$297.00.

### Full-time non-managerial employees

The estimated average weekly earnings and hours for full-time non-managerial employees were as follows:

Adult males \$356.60 for 40.0 hours  
 Junior males \$178.30 for 38.8 hours  
 Adult females \$282.20 for 38.2 hours  
 Junior females \$173.70 for 38.8 hours



Average weekly overtime earnings for full-time non-managerial adult males decreased by 9.3 per cent between October 1981 and November 1982. Over the same period, average overtime hours paid for decreased by 25.8 per cent.

**Part-time employees**

Average weekly earnings and hours paid for in respect of part-time male employees were \$121.20 and 13.9 hours for males, and \$126.20 and 16.3 hours for females. Between October 1981 and November 1982, average hourly earnings increased by 20.1 per cent for males and 20.0 per cent for females.

**Industries**

The industries which have shown the largest increases in male average weekly earnings are *Textiles, clothing and footwear* (21.7 per cent), *Mining* (22.3 per cent) and *Finance and business services* (22.2 per cent). The smallest increases have occurred in *Basic metal products* (6.1 per cent), *Fabricated metal products* (7.3 per cent) and *Other* (non manufacturing) industries (7.0 per cent).

For female average weekly earnings, the largest increases have occurred in *Paper, printing etc.* (19.2 per cent), *Basic metal products* (21.8 per cent) and *Electricity, gas and water* (19.0 per cent). The smallest increases have occurred in *Chemical, petroleum and coal products* (9.6 per cent), *Transport equipment* (7.3 per cent) and *Other* (non manufacturing) industries (8.0 per cent).

**States**

Western Australia recorded the largest increase in male average weekly earnings in the 13 months to November 1982 (17.8 per cent) and New South Wales the smallest increase (11.9 per cent).



## TOTAL (PRIVATE AND GOVERNMENT) EMPLOYEES

TABLE 1. ALL EMPLOYEES : AVERAGE WEEKLY EARNINGS AND INDUSTRIES, AUSTRALIA, NOVEMBER 1982  
(\$)

Industry	Full-time employees								
	Adults			Juniors			All employees		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Mining	581.10	343.30	567.60	298.70	272.00	291.60	571.80	306.40	552.40
Manufacturing—									
Food, beverages and tobacco	368.10	273.80	348.40	211.80	180.80	201.00	351.30	226.80	319.10
Textiles; clothing and footwear	321.10	240.10	265.70	182.50	162.20	166.20	309.40	223.50	248.50
Paper, printing, etc.	382.40	275.90	360.20	185.20	176.10	183.10	352.20	231.30	320.50
Chemical, petroleum and coal products	395.70	266.20	359.40	204.00	168.30	187.50	388.30	250.10	346.40
Metal products, machinery and equipment—									
Basic metal products	382.00	295.50	375.10	221.00	195.50	219.10	368.50	278.00	360.90
Fabricated metal products; other machinery, etc.	341.60	245.80	323.30	155.30	172.80	157.30	326.10	229.70	306.30
Transport equipment	322.60	256.10	316.00	169.20	161.20	168.60	303.60	235.80	296.60
Total metal products, etc.	344.80	252.20	330.90	171.80	172.90	171.90	328.50	235.20	313.60
Other manufacturing	325.80	250.70	313.10	148.50	154.90	149.40	306.80	221.60	289.90
Total manufacturing	351.00	255.80	330.60	172.80	168.60	171.80	333.40	230.00	308.40
Electricity, gas and water	399.20	299.80	392.10	209.00	206.50	208.40	385.00	266.80	374.20
Construction	371.80	251.40	361.50	189.80	178.60	188.60	343.90	206.60	328.50
Wholesale trade	342.40	272.00	326.30	176.00	156.90	167.50	324.60	227.90	297.30
Retail trade	297.80	244.00	278.20	153.30	162.80	157.60	220.90	153.70	188.90
Transport and storage; communication	384.50	323.00	376.40	218.50	194.80	209.90	370.00	275.70	353.80
Finance, business services	408.30	283.50	348.50	200.90	178.00	184.50	368.10	223.60	285.20
Public administration, community services, etc.	403.90	321.40	364.10	191.00	190.50	190.60	379.30	267.60	317.30
Other industries	319.30	239.20	283.50	185.40	146.40	159.80	224.90	150.70	182.90
Total all industries	375.70	287.20	348.90	178.30	173.70	176.30	341.50	223.60	296.30

TABLE 2. ALL EMPLOYEES : AVERAGE WEEKLY EARNINGS, STATES  
AND TERRITORIES, NOVEMBER 1982  
(\$)

State	Full-time employees								
	Adults			Juniors			All employees		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
New South Wales	387.30	282.70	355.90	182.00	176.80	179.50	353.30	231.60	308.90
Victoria	367.70	288.80	343.70	169.50	179.00	173.90	332.10	222.10	289.50
Queensland	366.50	291.20	344.00	188.20	163.00	175.60	336.60	219.30	289.90
South Australia	347.70	281.70	326.40	180.50	174.30	179.30	314.40	211.60	273.70
Western Australia	388.90	288.20	361.00	174.70	173.20	174.00	349.20	212.10	296.50
Tasmania	343.90	284.60	327.60	169.50	157.20	162.70	317.10	200.00	269.20
Northern Territory	388.50	326.80	366.50	180.20	188.10	183.30	369.60	284.40	335.80
Australian Capital Territory	438.90	321.10	393.00	189.20	181.60	185.60	401.40	265.10	340.10
Australia	375.70	287.20	348.90	178.30	173.70	176.30	341.50	223.60	296.30



**TABLE 3. FULL-TIME NON-MANAGERIAL EMPLOYEES : AVERAGE EARNINGS AND HOURS PAID FOR, INDUSTRIES, AUSTRALIA, NOVEMBER 1982**

Industry	Males			Females			Persons		
	Average weekly earnings	Average weekly hours paid for	Average hourly earnings	Average weekly earnings	Average weekly hours paid for	Average hourly earnings	Average weekly earnings	Average weekly hours paid for	Average hourly earnings
	(\$)		(\$)	(\$)		(\$)	(\$)		(\$)
<b>ADULT EMPLOYEES</b>									
Mining	565.60	43.0	13.16	335.20	38.9	8.62	552.10	42.8	12.92
Manufacturing—									
Food, beverages and tobacco	354.60	42.3	8.39	271.80	39.9	6.81	336.20	41.7	8.06
Textiles; clothing and footwear	301.20	42.7	7.05	238.30	38.7	6.16	255.70	39.8	6.43
Paper, printing, etc.	367.20	39.9	9.21	272.40	38.4	7.10	345.80	39.5	8.75
Chemical, petroleum and coal products	363.60	39.0	9.32	261.20	37.5	6.97	331.20	38.5	8.60
Metal products, machinery and equipment—									
Basic metal products	364.50	39.3	9.28	289.40	38.0	7.63	358.20	39.2	9.14
Fabricated metal products; other machinery, etc.	326.60	39.2	8.33	240.30	37.1	6.48	309.50	38.8	7.98
Transport equipment	312.90	38.0	8.23	254.80	37.4	6.81	307.10	38.0	8.09
<i>Total metal products, etc.</i>	<i>330.70</i>	<i>38.9</i>	<i>8.50</i>	<i>247.70</i>	<i>37.2</i>	<i>6.65</i>	<i>318.00</i>	<i>38.7</i>	<i>8.23</i>
Other manufacturing	312.50	40.6	7.71	244.80	38.9	6.29	300.30	40.3	7.46
<i>Total manufacturing</i>	<i>335.80</i>	<i>39.9</i>	<i>8.41</i>	<i>252.20</i>	<i>38.3</i>	<i>6.58</i>	<i>316.80</i>	<i>39.6</i>	<i>8.01</i>
Electricity, gas and water	387.90	39.4	9.86	299.00	37.2	8.04	381.20	39.2	9.73
Construction	362.50	40.9	8.87	252.50	37.9	6.67	353.80	40.6	8.71
Wholesale trade	315.80	40.9	7.72	266.10	39.4	6.75	302.90	40.5	7.48
Retail trade	277.20	40.5	6.84	234.40	39.5	5.93	259.80	40.3	6.45
Transport and storage; communication	374.30	40.5	9.25	321.50	39.2	8.20	366.80	40.3	9.11
Finance, business services	365.30	39.5	9.25	280.70	38.0	7.39	316.80	38.7	8.20
Public administration, community services, etc.	369.40	38.7	9.55	313.10	37.6	8.34	340.80	38.1	8.94
Other industries	305.10	40.3	7.58	233.30	38.7	6.02	270.60	39.5	6.85
<b>Total all industries</b>	<b>356.60</b>	<b>40.0</b>	<b>8.91</b>	<b>282.20</b>	<b>38.2</b>	<b>7.39</b>	<b>332.40</b>	<b>39.5</b>	<b>8.43</b>
<b>JUNIOR EMPLOYEES</b>									
Mining	298.70	38.2	7.82	272.00	39.3	6.92	291.60	38.5	7.57
Manufacturing—									
Food, beverages and tobacco	211.80	39.7	5.34	180.80	38.7	4.68	201.00	39.3	5.11
Textiles; clothing and footwear	182.50	38.8	4.71	162.20	39.2	4.14	166.20	39.1	4.25
Paper, printing, etc.	185.20	38.9	4.76	176.10	38.3	4.60	183.10	38.7	4.73
Chemical, petroleum and coal products	204.00	38.2	5.34	168.30	37.8	4.45	187.50	38.5	4.87
Metal products, machinery and equipment—									
Basic metal products	221.00	37.5	5.89	195.50	37.9	5.16	219.10	37.6	5.83
Fabricated metal products; other machinery, etc.	155.30	36.7	4.23	172.80	38.4	4.50	157.30	36.9	4.26
Transport equipment	169.20	37.7	4.49	161.20	37.9	4.26	168.60	37.7	4.47
<i>Total metal products, etc.</i>	<i>171.80</i>	<i>37.2</i>	<i>4.62</i>	<i>172.90</i>	<i>38.2</i>	<i>4.53</i>	<i>171.90</i>	<i>37.3</i>	<i>4.61</i>
Other manufacturing	148.50	39.3	3.78	154.90	38.8	3.99	149.40	39.2	3.81
<i>Total manufacturing</i>	<i>172.80</i>	<i>38.1</i>	<i>4.54</i>	<i>168.60</i>	<i>38.7</i>	<i>4.36</i>	<i>171.80</i>	<i>38.2</i>	<i>4.50</i>
Electricity, gas and water	209.00	37.5	5.57	206.50	37.0	5.59	208.40	37.4	5.57
Construction	189.80	38.0	5.00	178.60	38.4	4.65	188.60	38.0	4.96
Wholesale trade	176.00	41.0	4.29	156.90	39.2	4.00	167.50	40.2	4.17
Retail trade	153.30	39.7	3.86	162.80	40.1	4.07	157.60	40.0	3.94
Transport and storage; communication	218.50	38.0	5.76	194.80	38.6	5.05	209.90	38.2	5.50
Finance, business services	200.90	39.3	5.11	178.00	38.3	4.65	184.50	38.6	4.78
Public administration, community services, etc.	191.00	38.0	5.02	190.50	38.1	5.00	190.60	38.1	5.01
Other industries	185.40	40.2	4.61	146.40	39.1	3.75	159.80	39.5	4.05
<b>Total all industries</b>	<b>178.30</b>	<b>38.8</b>	<b>4.59</b>	<b>173.70</b>	<b>38.8</b>	<b>4.48</b>	<b>176.30</b>	<b>38.8</b>	<b>4.54</b>

**TABLE 4. FULL-TIME NON-MANAGERIAL EMPLOYEES : ADULT MALE AVERAGE WEEKLY OVERTIME AND ORDINARY TIME EARNINGS AND HOURS PAID FOR, INDUSTRIES, AUSTRALIA, NOVEMBER 1982**

<i>Industry</i>	<i>Overtime earnings (\$)</i>	<i>Ordinary time earnings (\$)</i>	<i>Total earnings (\$)</i>	<i>Overtime hours paid for</i>	<i>Ordinary time hours paid for</i>	<i>Total hours paid for</i>
Mining	*	461.20	565.60	*	36.6	43.0
Manufacturing—						
Food, beverages and tobacco	55.20	299.40	354.60	4.3	38.0	42.3
Textiles; clothing and footwear	*	262.40	301.20	*	38.5	42.7
Paper, printing, etc.	*	332.50	367.20	2.4	37.4	39.9
Chemical, petroleum and coal products	*	334.20	363.60	2.0	37.0	39.0
Metal products, machinery and equipment—						
Basic metal products	33.90	330.50	364.50	2.6	36.7	39.3
Fabricated metal products; other machinery, etc.	*	297.00	326.60	*	36.8	39.2
Transport equipment	12.90	300.00	312.90	1.0	37.1	38.0
<i>Total metal products, etc.</i>	*	304.60	330.70	2.1	36.8	38.9
Other manufacturing	31.10	281.40	312.50	2.7	37.9	40.6
<i>Total manufacturing</i>	33.10	302.70	335.80	2.6	37.3	39.9
Electricity, gas and water	28.00	359.90	387.90	2.0	37.4	39.4
Construction	*	327.50	362.50	2.9	38.0	40.9
Wholesale trade	*	293.10	315.80	2.1	38.8	40.9
Retail trade	12.00	265.20	277.20	1.2	39.3	40.5
Transport and storage; communication	32.00	342.40	374.30	2.5	38.0	40.5
Finance, business services	*	346.60	365.30	*	38.1	39.5
Public administration, community services, etc.	15.00	354.40	369.40	1.1	37.6	38.7
Other industries	*	288.10	305.10	*	38.7	40.3
<b>Total all industries</b>	<b>29.30</b>	<b>327.20</b>	<b>356.60</b>	<b>2.3</b>	<b>37.8</b>	<b>40.0</b>

**TABLE 5. FULL-TIME NON-MANAGERIAL EMPLOYEES : AVERAGE WEEKLY EARNINGS AND HOURS PAID FOR, STATES AND TERRITORIES, NOVEMBER 1982**

<b>AVERAGE WEEKLY EARNINGS (\$)</b>								
<i>State</i>	<i>Full-time adult employees</i>						<i>Full-time junior employees</i>	
	<i>Average weekly overtime earnings</i>		<i>Average weekly ordinary time earnings</i>		<i>Average weekly total earnings</i>		<i>Average weekly total earnings</i>	
	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>
New South Wales	*	7.50	336.00	272.30	369.80	279.80	182.00	176.80
Victoria	26.30	5.20	321.20	274.30	347.40	279.50	169.50	179.00
Queensland	29.40	*	319.20	283.80	348.60	288.50	188.20	163.00
South Australia	*	*	308.40	271.00	328.20	277.00	180.50	174.30
Western Australia	33.60	*	339.10	274.20	372.70	283.40	174.70	173.20
Tasmania	18.70	2.10	301.80	277.90	320.50	280.00	169.50	157.20
Northern Territory	27.50	7.40	338.10	316.30	365.60	323.70	180.20	188.10
Australian Capital Territory	20.90	7.30	365.50	302.90	386.40	310.20	189.20	181.60
<b>Australia</b>	<b>29.30</b>	<b>6.10</b>	<b>327.20</b>	<b>275.80</b>	<b>356.60</b>	<b>282.20</b>	<b>178.30</b>	<b>173.70</b>
<b>AVERAGE WEEKLY HOURS PAID FOR</b>								
<i>State</i>	<i>Full-time adult employees</i>						<i>Full-time junior employees</i>	
	<i>Average weekly overtime hours paid for</i>		<i>Average weekly ordinary time hours paid for</i>		<i>Average weekly total hours paid for</i>		<i>Average weekly total hours paid for</i>	
	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>	<i>Males</i>	<i>Females</i>
New South Wales	2.4	0.7	37.4	37.6	39.8	38.2	38.3	38.5
Victoria	2.2	0.5	37.9	37.7	40.1	38.2	38.8	39.0
Queensland	2.3	*	38.1	37.9	40.4	38.4	39.3	38.8
South Australia	*	0.4	37.5	37.3	39.4	37.7	39.6	39.5
Western Australia	2.5	*	38.7	38.2	41.2	39.1	38.8	39.0
Tasmania	1.5	0.2	38.1	36.5	39.6	36.7	39.2	38.9
Northern Territory	2.4	*	37.0	37.3	39.3	37.9	39.5	37.7
Australian Capital Territory	1.5	0.6	37.6	36.5	39.2	37.1	40.3	38.7
<b>Australia</b>	<b>2.3</b>	<b>0.6</b>	<b>37.8</b>	<b>37.7</b>	<b>40.0</b>	<b>38.2</b>	<b>38.8</b>	<b>38.8</b>

**TABLE 6. FULL-TIME MALE MANAGERIAL, EXECUTIVE, ETC. EMPLOYEES :  
AVERAGE WEEKLY EARNINGS, INDUSTRIES, AUSTRALIA, NOVEMBER 1982**  
(\$)

<i>Industry</i>	<i>Average weekly earnings</i>	<i>Industry</i>	<i>Average weekly earnings</i>
Mining	693.60	Electricity, gas and water	596.50
Manufacturing—		Construction	432.20
Food, beverages and tobacco	473.20	Wholesale trade	423.00
Textiles; clothing and footwear	402.10	Retail trade	343.60
Paper, printing, etc.	474.10	Transport and storage; communication	508.30
Chemical, petroleum and coal products	509.60	Finance, business services	487.80
Metal products, machinery and equipment—		Public administration, community services etc.	592.10
Basic metal products	577.80	Other industries	367.10
Fabricated metal products; other machinery etc.	435.20		
Transport equipment	452.50	<b>Total all industries</b>	<b>471.20</b>
<i>Total metal products, etc.</i>	<i>458.70</i>		
Other manufacturing	417.90		
<i>Total manufacturing</i>	<i>458.00</i>		

**TABLE 7. FULL-TIME MANAGERIAL, EXECUTIVE, ETC. EMPLOYEES :  
AVERAGE WEEKLY EARNINGS, STATES, NOVEMBER 1982**  
(\$)

<i>State</i>	<i>Males</i>	<i>Females</i>
New South Wales	476.60	312.60
Victoria	456.40	371.50
Queensland	476.40	339.10
South Australia	447.20	356.30
Western Australia	485.30	364.60
Tasmania	455.30	372.70
<b>Australia(a)</b>	<b>471.20</b>	<b>345.60</b>

(a) Includes the Northern Territory and the Australian Capital Territory.

**TABLE 8. PART-TIME ADULT EMPLOYEES : AVERAGE WEEKLY EARNINGS  
AND HOURS PAID FOR, STATES, NOVEMBER 1982**

<i>State</i>	<i>Average weekly earnings (\$)</i>			<i>Average weekly hours paid for</i>			<i>Average hourly earnings (\$)</i>		
	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>	<i>Males</i>	<i>Females</i>	<i>Persons</i>
New South Wales	108.90	131.90	125.30	12.6	17.2	16.0	8.64	7.66	7.83
Victoria	123.90	120.80	121.60	13.1	14.9	15.8	9.43	8.10	7.70
Queensland	151.70	131.10	135.10	18.3	17.6	17.7	8.30	7.45	7.63
South Australia	136.80	122.50	123.60	15.3	15.4	15.4	8.92	7.94	8.03
Western Australia	107.30	123.60	120.00	14.1	16.5	15.9	7.60	7.50	7.55
Tasmania	115.30	106.30	108.10	13.2	14.2	14.0	8.73	7.49	7.72
<b>Australia(a)</b>	<b>121.20</b>	<b>126.20</b>	<b>124.90</b>	<b>13.9</b>	<b>16.3</b>	<b>16.1</b>	<b>8.72</b>	<b>7.74</b>	<b>7.76</b>

(a) Includes the Northern Territory and the Australian Capital Territory.



## PRIVATE EMPLOYEES

TABLE 9. ALL PRIVATE EMPLOYEES: AVERAGE WEEKLY EARNINGS, INDUSTRIES, AUSTRALIA, NOVEMBER 1982  
(\$)

Industry	Full-time employees						All employees		
	Adults			Juniors			Males	Females	Persons
	Males	Females	Persons	Males	Females	Persons			
Mining	586.50	343.90	572.30	299.00	273.00	291.50	577.50	306.70	557.00
Manufacturing—									
Food, beverages and tobacco	368.50	272.70	348.20	213.10	180.80	201.40	352.00	225.70	318.80
Textiles; clothing and footwear	320.90	239.40	265.30	182.60	162.20	166.20	309.10	222.80	248.00
Paper, printing, etc.	383.30	275.80	361.20	184.50	176.00	182.60	352.30	229.80	320.40
Chemical, petroleum and coal products	397.80	265.40	361.10	207.20	167.10	187.80	390.80	248.80	347.90
Metal products, machinery and equipment—									
Basic metal products	382.00	295.50	375.10	221.00	195.20	219.00	368.60	278.10	360.90
Fabricated metal products; other machinery, etc.	341.70	245.30	323.10	154.20	172.60	156.30	326.30	229.10	306.10
Transport equipment	316.50	253.10	308.70	159.30	160.00	159.30	296.00	232.70	288.00
Total metal products, etc.	345.30	251.40	330.50	168.90	172.50	169.30	328.90	234.30	313.00
Other manufacturing	326.30	250.70	313.40	148.40	154.90	149.30	307.20	221.60	290.00
Total manufacturing	351.50	255.00	330.30	170.90	168.30	170.40	333.80	229.00	307.80
Electricity, gas and water	407.70	307.50	395.50	211.60	202.60	209.10	392.30	268.10	373.40
Construction	369.70	234.30	358.40	186.60	175.60	185.70	337.10	201.40	323.00
Wholesale trade	342.10	271.90	326.20	175.80	156.80	167.40	324.40	227.70	297.10
Retail trade	297.80	244.00	278.20	153.30	162.80	157.60	220.80	153.70	188.80
Transport and storage; communication	386.70	284.50	372.90	190.60	176.00	181.50	357.30	223.00	329.50
Finance, business services	413.20	284.00	349.00	206.30	178.20	186.10	369.30	222.00	282.40
Public administration, community services, etc.	352.30	303.70	319.70	162.00	168.80	168.00	296.60	230.70	247.40
Other industries	296.90	231.80	264.90	182.70	145.00	156.70	201.30	146.10	168.90
Total all industries	365.20	268.40	336.20	172.90	168.00	170.90	324.00	201.80	276.00

TABLE 10. FULL-TIME NON-MANAGERIAL PRIVATE EMPLOYEES : MALE, AVERAGE WEEKLY OVERTIME AND ORDINARY TIME EARNINGS AND HOURS PAID FOR, INDUSTRIES, AUSTRALIA, NOVEMBER 1982

Industry	Full-time adult male employees					Full-time junior male employees	
	Overtime earnings	Overtime hours paid for	Ordinary time earnings	Ordinary time hours paid for	Total earnings	Total hours paid for	Total earnings
	(\$)		(\$)		(\$)		(\$)
Mining	*	*	463.60	36.6	570.90	43.2	299.00
Manufacturing—							
Food, beverages and tobacco	55.40	4.3	299.40	38.0	354.70	42.2	213.10
Textiles; clothing and footwear	*	*	261.80	38.5	300.90	42.7	182.60
Paper, printing, etc.	*	2.4	332.90	37.3	367.80	39.8	184.50
Chemical, petroleum and coal products	*	2.0	334.80	36.9	365.30	39.0	207.20
Metal products, machinery and equipment—							
Basic metal products	33.90	2.6	330.60	36.7	364.50	39.3	221.00
Fabricated metal products; other machinery, etc.	*	*	296.50	36.7	326.40	39.2	154.20
Transport equipment	12.60	1.0	292.10	36.5	304.70	37.5	159.30
Total metal products, etc.	*	2.2	303.10	36.7	330.40	38.9	168.90
Other manufacturing	31.40	2.7	281.50	37.8	313.00	40.6	148.40
Total manufacturing	34.00	2.7	301.90	37.2	335.80	39.9	170.90
Electricity, gas and water	35.50	3.4	358.00	37.9	393.40	41.3	211.60
Construction	*	*	319.80	38.0	362.60	41.6	186.60
Wholesale trade	*	2.1	292.70	38.8	315.50	40.9	175.80
Retail trade	12.00	1.2	265.10	39.3	277.10	40.5	153.30
Transport and storage; communication	42.00	3.2	328.30	38.1	370.40	41.3	190.60
Finance, business services	*	*	346.90	38.3	369.70	40.0	206.30
Public administration, community services, etc.	*	*	326.60	37.8	330.60	38.1	162.00
Other industries	*	*	258.70	38.9	277.40	40.7	182.70
Total all industries	34.00	2.6	313.20	37.8	347.20	40.5	172.90



**TABLE 11. FULL-TIME NON-MANAGERIAL PRIVATE EMPLOYEES : AVERAGE WEEKLY EARNINGS AND HOURS PAID FOR, STATES, NOVEMBER 1982**

AVERAGE WEEKLY EARNINGS (\$)								
State	Full-time adult employees						Full-time junior employees	
	Average weekly overtime earnings		Average weekly ordinary time earnings		Average weekly total earnings		Average weekly total earnings	
	Males	Females	Males	Females	Males	Females	Males	Females
New South Wales	*	7.40	328.70	260.20	367.40	267.60	174.00	171.40
Victoria	29.50	5.80	301.00	248.30	330.50	254.10	163.20	172.60
Queensland	33.50	*	308.50	271.10	341.90	276.10	187.30	157.30
South Australia	*	*	277.90	244.40	300.70	249.40	179.00	169.20
Western Australia	*	*	336.80	254.30	380.40	268.40	168.20	169.00
Tasmania	23.70	*	279.30	250.70	303.00	253.10	166.10	148.80
<b>Australia(a)</b>	<b>34.0</b>	<b>6.60</b>	<b>313.20</b>	<b>256.40</b>	<b>347.20</b>	<b>263.10</b>	<b>172.90</b>	<b>168.00</b>

AVERAGE WEEKLY HOURS PAID FOR								
State	Full-time adult employees						Full-time junior employees	
	Average weekly overtime hours paid for		Average weekly ordinary time hours paid for		Average weekly total hours paid for		Average weekly total hours paid for	
	Males	Females	Males	Females	Males	Females	Males	Females
New South Wales	2.7	0.7	37.6	37.5	40.4	38.2	38.6	38.8
Victoria	2.6	0.6	37.8	37.7	40.3	38.3	38.7	39.1
Queensland	2.6	*	38.1	38.2	40.6	38.8	39.6	39.0
South Australia	2.1	0.4	37.2	37.3	39.4	37.7	39.7	39.6
Western Australia	3.3	*	38.7	38.3	42.0	39.7	38.7	39.1
Tasmania	1.9	*	38.5	37.5	40.4	37.7	39.4	39.5
<b>Australia(a)</b>	<b>2.6</b>	<b>0.7</b>	<b>37.8</b>	<b>37.8</b>	<b>40.5</b>	<b>38.4</b>	<b>39.0</b>	<b>39.0</b>

(a) Includes the Northern Territory and the Australian Capital Territory.

**TABLE 12. FULL-TIME MALE MANAGERIAL, EXECUTIVE, ETC. PRIVATE EMPLOYEES : AVERAGE WEEKLY EARNINGS, INDUSTRIES, AUSTRALIA, NOVEMBER 1982 (\$)**

Industry	Average weekly earnings	Industry	Average weekly earnings
Mining	694.60	Electricity, gas and water	528.20
Manufacturing—		Construction	407.20
Food, beverages and tobacco	472.90	Wholesale trade	422.50
Textiles, clothing and footwear	401.80	Retail trade	343.60
Paper, printing, etc.	472.80	Transport and storage; communication	471.00
Chemical, petroleum and coal products	510.30	Finance, business services	482.50
Metal products, machinery and equipment—		Public administration, community services, etc.	447.00
Basic metal products	577.70	Other industries	349.30
Fabricated metal products; other machinery, etc.	434.60	<b>Total all industries</b>	<b>438.10</b>
Transport equipment	441.60		
<i>Total metal products, etc.</i>	<i>456.80</i>		
Other manufacturing	418.00		
<i>Total manufacturing</i>	<i>456.80</i>		

**TABLE 13. FULL-TIME MANAGERIAL, EXECUTIVE, ETC. PRIVATE EMPLOYEES : AVERAGE WEEKLY EARNINGS, STATES, NOVEMBER 1982 (\$)**

State	Males	Females
New South Wales	455.50	302.30
Victoria	425.00	346.10
Queensland	450.60	317.70
South Australia	382.80	294.50
Western Australia	445.90	280.80
Tasmania	416.50	320.50
<b>Australia(a)</b>	<b>438.10</b>	<b>316.90</b>

(a) Includes the Northern Territory and the Australian Capital Territory.

## TECHNICAL NOTE

## Introduction

Since the estimates in this publication are based on information obtained from a sample of employers they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all employers had been included in the survey. The extent of the detail published has been determined after considering estimated measures of sampling variability.

## Reliability of the estimates

2. One measure of the sampling variability is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of employers was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained, had all employers been included, and about nineteen chances in twenty that the difference will be less than two standard errors.

3. The standard error can also be expressed as a percentage of the estimate and this is known as the *relative standard error*. The table below sets out approximate relative standard errors for a selection of average weekly earnings estimates.

4. An example of the use of this table is as follows: the estimate of average weekly earnings for adult male full-time non-managerial employees (all industries) in Australia is shown in Table 3 as \$356.60. The approximate relative standard error of this estimate is 1.6 per cent (or approximately \$5.70 rounded to the nearest ten cents). There are two chances in three that a complete collection would give a figure within the range \$350.90 to \$362.30 and nineteen chances in twenty that the figure would be within the range \$345.20 to \$368.00.

5. Estimates with a relative standard error greater than 15 per cent have not been included in this publication, except for estimates of overtime earnings and hours. Estimates of overtime earnings and hours are included if their relative standard errors are less than 15 per cent, or between 15 per cent and 20 per cent providing their standard errors are less than \$3.00 or 0.5 hours respectively.

6. The relative standard errors of the estimates of average weekly overtime earnings and hours, and of average weekly earnings and hours for part-time employees, are generally less than 10 per cent. Those relating to the private sector only are generally slightly higher than those for the private and government sectors combined.

7. The relative standard errors of average weekly ordinary time hours and average weekly total hours are generally much lower than the corresponding figures shown in the table for average weekly ordinary time earnings and average weekly total earnings. In the case of average weekly overtime hours, the standard error percentages approximate those shown for average weekly overtime earnings.

8. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Efforts are made to reduce the non-sampling error by careful design of questionnaires and detailed checking of completed returns.

APPROXIMATE RELATIVE STANDARD ERRORS OF AVERAGE WEEKLY EARNINGS,  
FULL-TIME EMPLOYEES, ALL INDUSTRIES, AUSTRALIA, NOVEMBER 1982  
(Per cent)

	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Aust.
AVERAGE WEEKLY EARNINGS, PRIVATE FULL-TIME MANAGERIAL, ETC. STAFF									
Males	2.5	1.9	3.8	2.5	4.4	7.0	5.3	4.0	1.3
Females	3.3	4.8	5.5	2.8	6.7	6.8	4.8	4.1	2.3
AVERAGE WEEKLY EARNINGS, ALL FULL-TIME NON-MANAGERIAL EMPLOYEES									
Adult males—									
Overtime earnings	17.2	6.5	10.0	8.7	15.0	9.0	13.4	9.5	8.0
Ordinary time earnings	2.5	0.7	1.0	1.2	2.0	1.5	2.0	1.4	1.0
Total earnings	3.8	0.7	1.2	1.3	2.9	1.4	2.5	1.4	1.6
Junior males—									
Total earnings	1.7	1.6	3.3	2.5	4.6	2.5	3.2	4.4	1.1
Adult females—									
Overtime earnings	9.1	9.9	20.3	11.2	23.1	13.9	13.9	12.6	6.2
Ordinary time earnings	0.7	1.0	3.8	1.1	1.4	2.8	1.3	1.5	0.8
Total earnings	0.7	1.0	3.4	1.1	1.5	2.8	1.3	1.5	0.7
Junior females—									
Total earnings	1.2	1.5	2.4	2.6	3.3	2.0	5.0	2.3	0.8

**APPROXIMATE RELATIVE STANDARD ERRORS OF AVERAGE WEEKLY EARNINGS:  
FULL-TIME NON-MANAGERIAL EMPLOYEES, INDUSTRIES, AUSTRALIA, NOVEMBER 1982  
(Per cent)**

<i>Industry</i>	<i>Adult males</i>	<i>Adult females</i>	<i>Junior males</i>	<i>Junior females</i>
Mining	10.8	6.6	4.4	14.6
Manufacturing—				
Food, beverages and tobacco	2.2	2.8	3.1	3.6
Textiles; clothing and footwear	4.0	4.0	5.3	6.5
Paper, printing, etc.	4.1	1.7	4.2	2.5
Chemical, petroleum and coal products	4.0	2.8	6.7	4.8
Metal products, machinery and equipment—				
Basic metal products	1.4	2.5	0.8	4.5
Fabricated metal products; other machinery, etc.	5.1	1.4	4.3	1.5
Transport equipment	0.7	0.9	3.6	1.6
<i>Total metal products, etc.</i>	<i>2.7</i>	<i>1.1</i>	<i>2.5</i>	<i>1.3</i>
Other manufacturing	2.1	2.4	4.9	4.7
<i>Total manufacturing</i>	<i>1.5</i>	<i>1.1</i>	<i>2.1</i>	<i>2.2</i>
Electricity, gas and water	0.6	0.3	0.5	0.5
Construction	2.5	2.8	2.8	1.6
Wholesale trade	2.4	1.9	4.8	3.5
Retail trade	1.4	1.1	1.9	1.3
Transport and storage, communication	0.8	0.7	1.4	2.5
Finance, business services	4.5	3.5	3.5	0.9
Public administration, community services, etc.	1.1	0.6	1.8	1.3
Other industries	2.7	2.8	5.5	7.1
<b>Total all industries</b>	<b>1.6</b>	<b>0.7</b>	<b>1.1</b>	<b>0.8</b>